

=> s GDNF receptor#

L1 42 GDNF RECEPTOR#

=> duplicate remove

ENTER L# LIST OR (END):11

DUPLICATE PREFERENCE IS 'MEDLINE, BIOSIS'

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PROCESSING COMPLETED FOR L1

L2 30 DUPLICATE REMOVE L1 (12 DUPLICATES REMOVED)

=> d 12 1-30

|    |  |             |
|----|--|-------------|
| L2 | ANSWER 1 OF 30 MEDLINE   | DUPLICATE 1 |
| AN | 1998195371 MEDLINE   |             |
| DN | 98195371   |             |
| TI | A distinct subgroup of small DRG cells express <b>GDNF</b> receptor components and GDNF is protective for these neurons after nerve injury.                                      |             |
| AU | Bennett D L; Michael G J; Ramachandran N; Munson J B; Averill S; Yan Q; McMahon S B; Priestley J V   |             |
| CS | Department of Physiology, United Medical and Dental Schools (St. Thomas' Campus), London, SE1 7EH, United Kingdom.   |             |
| SO | JOURNAL OF NEUROSCIENCE, (1998 Apr 15) 18 (8) 3059-72.   |             |
|    | Journal code: JDF. ISSN: 0270-6474.  |             |
| CY | United States  |             |
| DT | Journal; Article; (JOURNAL ARTICLE)  |             |
| LA | English  |             |
| FS | Priority Journals  |             |
| EM | 199806   |             |
| EW | 19980604   |             |
|    |  |             |
| L2 | ANSWER 2 OF 30 MEDLINE   | DUPLICATE 2 |
| AN | 1998125881 MEDLINE   |             |
| DN | 98125881   |             |
| TI | The messenger RNAs for both glial cell line-derived neurotrophic factor receptors, c-ret and GDNFRalpha, are induced in the rat brain in response to kainate-induced excitation. |             |
| AU | Reeben M; Laurikainen A; Hiltunen J O; Castren E; Saarma M   |             |
| CS | Institute of Biotechnology, Program of Molecular Neurobiology, University of Helsinki, Finland.  |             |
| SO | NEUROSCIENCE, (1998 Mar) 83 (1) 151-9.   |             |
|    | Journal code: NZR. ISSN: 0306-4522.  |             |
| CY | United States  |             |
| DT | Journal; Article; (JOURNAL ARTICLE)  |             |
| LA | English  |             |
| FS | Priority Journals  |             |
| EM | 199805   |             |
| EW | 19980502   |             |
|    |  |             |
| L2 | ANSWER 3 OF 30 MEDLINE   | DUPLICATE 3 |
| AN | 1998140743 MEDLINE   |             |
| DN | 98140743   |             |
| TI | Localization of glial cell line-derived neurotrophic factor receptor alpha and c-ret mRNA in rat central nervous system.   |             |

AU Glazner G W; Mu Springer J E  
CS Department of Anatomy and Neurobiology, University of Kentucky  
Medical Center, Lexington 40536-0084, USA.  
NC NS-30248 (NINDS)  
SO JOURNAL OF COMPARATIVE NEUROLOGY, (1998 Feb 2) 391 (1) 42-9.  
Journal code: HUV. ISSN: 0021-9967.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199806  
EW 19980601

L2 ANSWER 4 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS  
AN 98:97348 BIOSIS  
DN 01097348  
TI Cloning of a novel murine isoform of the glial cell line-derived  
neurotrophic factor receptor.  
AU Dey B K; Wong Y W; Too H P  
CS Dep. Biochem., Fac. Med., National Univ. Singapore, 10 Kent Ridge  
Crescent, Singapore 119260, Singapore  
SO Neuroreport 9 (1). 1998. 37-42. ISSN: 0959-4965  
LA English

L2 ANSWER 5 OF 30 MEDLINE DUPLICATE 4  
AN 97279117 MEDLINE  
DN 97279117  
TI Complementary and overlapping expression of glial cell line-derived  
neurotrophic factor (GDNF), c-ret proto-oncogene, and **GDNF**  
**receptor**-alpha indicates multiple mechanisms of trophic  
actions in the adult rat CNS.  
AU Trupp M; Belluardo N; Funakoshi H; Ibanez C F  
CS Division of Molecular Neurobiology, Department of Neuroscience,  
Karolinska Institute, 171 77 Stockholm, Sweden.  
SO JOURNAL OF NEUROSCIENCE, (1997 May 15) 17 (10) 3554-67.  
Journal code: JDF. ISSN: 0270-6474.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199708  
EW 19970801

L2 ANSWER 6 OF 30 MEDLINE DUPLICATE 5  
AN 97261999 MEDLINE  
DN 97261999  
TI Expression of the RET receptor tyrosine kinase and GDNFR-alpha in  
normal and leukemic human hematopoietic cells and stromal cells of  
the bone marrow microenvironment.  
AU Gattei V; Celetti A; Cerrato A; Degan M; De Iuliis A; Rossi F M;  
Chiappetta G; Consales C; Improta S; Zagonel V; Aldinucci D; Agosti  
V; Santoro M; Vecchio G; Pinto A; Grieco M  
CS Divisione di Oncologia Medica, Centro di Riferimento Oncologico,  
INRCCS, Aviano, Italy.  
SO BLOOD, (1997 Apr 15) 89 (8) 2925-37.  
Journal code: A8G. ISSN: 0006-4971.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals; Cancer Journals  
EM 199707  
EW 19970704

L2 ANSWER 7 OF 30 MEDLINE DUPLICATE 6  
AN 97382398 MEDLINE

DN 97382398  
TI Differential regulation of mRNAs for GDNF and its receptors Ret and GDNFR alpha after sciatic nerve lesion in the mouse.  
AU Naveilhan P; ElShamy W M; Ernfors P  
CS Laboratory of Molecular Neurobiology, MBB, Karolinska Institute, Stockholm, Sweden.  
SO EUROPEAN JOURNAL OF NEUROSCIENCE, (1997 Jul) 9 (7) 1450-60.  
Journal code: BYG. ISSN: 0953-816X.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199711  
EW 19971104

L2 ANSWER 8 OF 30 MEDLINE DUPLICATE 7  
AN 1998014422 MEDLINE  
DN 98014422  
TI IB4-binding DRG neurons switch from NGF to GDNF dependence in early postnatal life.  
AU Molliver D C; Wright D E; Leitner M L; Parsadanian A S; Doster K; Wen D; Yan Q; Snider W D  
CS Department of Neurology, Center for the Study of Nervous System Injury, Washington University School of Medicine, St. Louis, Missouri 63110, USA.  
NC NS 31768 (NINDS)  
NS 17763 (NINDS)  
AG 13729 (NIA)  
+  
SO NEURON, (1997 Oct) 19 (4) 849-61.  
Journal code: AN8. ISSN: 0896-6273.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199801  
EW 19980104

L2 ANSWER 9 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS  
AN 97:470181 BIOSIS  
DN 99769384  
TI Expression and localization of the GDNF receptor complex in the developing rat brain.  
AU Engele J; Franke B  
CS Anat. Cell Biol., University Ulm, 89069 Ulm, Germany  
SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New Orleans, Louisiana, USA, October 25-30, 1997. Society for Neuroscience Abstracts 23 (1-2). 1997. 623. ISSN: 0190-5295  
DT Conference  
LA English

L2 ANSWER 10 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS  
AN 97:470182 BIOSIS  
DN 99769385  
TI Immunohistochemical study of C-Ret, the GDNF receptor, in the nervous system (CNS) of adult rats.  
AU Yan Q; Matheson C R; Wen D  
CS Amgen Inc., Thousand Oaks, CA 91320, USA  
SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New Orleans, Louisiana, USA, October 25-30, 1997. Society for Neuroscience Abstracts 23 (1-2). 1997. 623. ISSN: 0190-5295  
DT Conference  
LA English

L2 ANSWER 11 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS

AN 97:470178 BIOSIS  
DN 99769381  
TI On the signaling mechanisms of **GDNF receptors**.  
AU Ibanez C F; Trupp M  
CS Lab. Molecular Neurobiol., Dep. Neuroscience, Karolinska Inst., S-171  
77 Stockholm, Sweden  
SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New  
Orleans, Louisiana, USA, October 25-30, 1997. Society for  
Neuroscience Abstracts 23 (1-2). 1997. 623. ISSN: 0190-5295  
DT Conference  
LA English

L2 ANSWER 12 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS

AN 97:470177 BIOSIS  
DN 99769380  
TI Co-localization of **GDNF receptor**-alpha and ret in  
vivo.

AU Scully S; Yu T; Fox M; Jing S; Zhou R  
CS Lab. Cancer Res., Coll. Pharmacy, Rutgers Univ., Piscataway, NJ  
08855, USA  
SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New  
Orleans, Louisiana, USA, October 25-30, 1997. Society for  
Neuroscience Abstracts 23 (1-2). 1997. 622. ISSN: 0190-5295  
DT Conference  
LA English

L2 ANSWER 13 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS

AN 98:44714 BIOSIS  
DN 01044714  
TI Expression of GDNF and its receptors in developing tooth is  
developmentally regulated and suggests multiple roles in innervation  
and organogenesis.  
AU Luukko K; Suvanto P; Saarma M; Thesleff I  
CS Program Dev. Biol., Inst. Biotechnol., Biocenter 1A, PO Box 56,  
FIN-00014 University Helsinki, Helsinki, Finland  
SO Developmental Dynamics 210 (4). 1997. 463-471. ISSN: 1058-8388  
LA English

L2 ANSWER 14 OF 30 MEDLINE DUPLICATE 8

AN 97234721 MEDLINE  
DN 97234721  
TI Defects in sensory and autonomic ganglia and absence of locus  
coeruleus in mice deficient for the homeobox gene Phox2a.  
AU Morin X; Cremer H; Hirsch M R; Kapur R P; Goridis C; Brunet J F  
CS Institut de Biologie du Developpement de Marseille,  
CNRS/INSERM/Universite de la Mediterranee, France.  
SO NEURON, (1997 Mar) 18 (3) 411-23.  
Journal code: AN8. ISSN: 0896-6273.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199706  
EW 19970604

L2 ANSWER 15 OF 30 MEDLINE DUPLICATE 9

AN 97404110 MEDLINE  
DN 97404110  
TI Cellular and developmental patterns of expression of Ret and glial  
cell line-derived neurotrophic factor receptor alpha mRNAs.  
AU Nosrat C A; Tomac A; Hoffer B J; Olson L  
CS Department of Neuroscience, Karolinska Institute, Stockholm,  
Sweden.. christopher.nosrat@neuro.ki.se  
SO EXPERIMENTAL BRAIN RESEARCH, (1997 Jul) 115 (3) 410-22.  
Journal code: EP2. ISSN: 0014-4819.

CY GERMANY: German Federal Republic of  
DT Journal; Article (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199712  
EW 19971201

L2 ANSWER 16 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS

AN 97:468473 BIOSIS

DN 99767676

TI A role for neurturin and a protein related to GDNF  
receptor-alpha in reproduction.

AU Olson L; Widenfalk J; Nosrat C; Lindqvist E; Westphal H; Hoffer B;  
Tomac A

CS Dep. Neuroscience, Karolinska Inst., S-171 77 Stockholm, Sweden

SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New  
Orleans, Louisiana, USA, October 25-30, 1997. Society for  
Neuroscience Abstracts 23 (1-2). 1997. 330. ISSN: 0190-5295

DT Conference

LA English

L2 ANSWER 17 OF 30 MEDLINE

DUPLICATE 10

AN 97153284 MEDLINE

DN 97153284

TI Mutation analysis of glial cell line-derived neurotrophic factor  
(GDNF), a ligand for the RET/GDNF receptor alpha  
complex, in sporadic pheochromocytomas.

AU Dahia P L; Toledo S P; Mulligan L M; Maher E R; Grossman A B; Eng C

CS Division of Cancer Epidemiology and Control, Dana-Farber Cancer  
Institute, Department of Medicine, Harvard Medical School, Boston,  
Massachusetts 02115, USA.

SO CANCER RESEARCH, (1997 Jan 15) 57 (2) 310-3.  
Journal code: CNF. ISSN: 0008-5472.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals; Cancer Journals

EM 199704

EW 19970403

L2 ANSWER 18 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS

AN 97:355658 BIOSIS

DN 99662061

TI The coming of age of the GDNF family and its receptors: Gene delivery  
in a rat Parkinson model may have clinical implications.

AU Olson L

CS Dep. Neurosci., Karolinska Inst., Stockholm S-171 77, Sweden

SO Trends in Neurosciences 20 (7). 1997. 277-279. ISSN: 0166-2236

LA English

L2 ANSWER 19 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS

AN 97:382936 BIOSIS

DN 99682139

TI GDNF-induced activation of the Ret protein tyrosine kinase is  
mediated by GDNFR-alpha, a novel GDNF receptor.

AU Jing S; Wen D; Yu Y; Holst P L; Luo Y; Fang M; Tamir R; Antonio L; Hu  
Z; Cupples R; Louis J-C; Hu S; Altrock B W; Fox G M

CS Dep. Immunol., Amgen Inc., Thousand Oaks, CA 91320, USA

SO Joint Sixteenth Biennial Meeting of the International Society for  
Neurochemistry and Twenty-eighth Annual Meeting of the American  
Society for Neurochemistry, Boston, Massachusetts, USA, July 20-26,  
1997. Journal of Neurochemistry 69 (SUPPL.). 1997. S229. ISSN:  
0022-3042

DT Conference

LA English

L2 ANSWER 20 OF 30 MEDLINE  
 AN 1998135204 MEDLINE  
 DN 98135204  
 TI Multiple endocrine neoplasia type 1 and 2: from morphology to molecular pathology 1997.  
 AU Komminoth P  
 CS Department of Pathology, University of Zurich, Switzerland.  
 SO VERHANDLUNGEN DER DEUTSCHEN GESELLSCHAFT FUR PATHOLOGIE, (1997) 81 125-38. Ref: 76  
 Journal code: X8G. ISSN: 0070-4113.  
 CY GERMANY: Germany, Federal Republic of  
 DT Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)  
 LA English  
 EM 199805  
 EW 19980504

L2 ANSWER 21 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS  
 AN 97:466876 BIOSIS  
 DN 99766079  
 TI Role of **GDNF receptors** in the development of the cerebellum: Regulation by thyroid hormone.  
 AU Arenas E; Neveu I; Wagner J; Akerud P  
 CS Lab. Molecular Neurobiology, Dep. Med. Biochemistry Biophysics, Karolinska Inst., 17177 Stockholm, Sweden  
 SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New Orleans, Louisiana, USA, October 25-30, 1997. Society for Neuroscience Abstracts 23 (1-2). 1997. 56. ISSN: 0190-5295  
 DT Conference  
 LA English

L2 ANSWER 22 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS  
 AN 96:548778 BIOSIS  
 DN 99271134  
 TI The biological activity of N-terminally truncated forms of GDNF on cultured mesencephalic dopaminergic neurons.  
 AU Zhang T J; Lile J; Rosenfeld R; Moellering B; Cole C; Tamir R; Brankow D; Shimamoto G; Lee R; Mann M; Delaney J; Aparisio D; Hu S; Collins F; Louis J-C  
 CS Dep. Neurosci., Amgen Inc., Thousand Oaks, CA 91320, USA  
 SO 26th Annual Meeting of the Society for Neuroscience, Washington, D.C., USA, November 16-21, 1996. Society for Neuroscience Abstracts 22 (1-3). 1996. 1995. ISSN: 0190-5295  
 DT Conference  
 LA English

L2 ANSWER 23 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS  
 AN 96:363366 BIOSIS  
 DN 99085722  
 TI GDNF-induced activation of the Ret protein tyrosine kinase is mediated by GDNFR-alpha, a novel receptor for GDNF.  
 AU Jing S; Wen D; Yu Y; Holst P L; Luo Yi; Fang M; Tamir R; Antonio L; Hu Z; Cupples R; Louis J-C; Hu S; Altrock B W; Fox G M  
 CS Dep. Immunol., Amgen Inc., Thousand Oaks, CA 91320, USA  
 SO Cell 85 (7). 1996. 1113-1124. ISSN: 0092-8674  
 LA English

L2 ANSWER 24 OF 30 MEDLINE DUPLICATE 11  
 AN 96267005 MEDLINE  
 DN 96267005  
 TI Functional receptor for GDNF encoded by the c-ret proto-oncogene [see comments].  
 CM Comment in: Nature 1996 Jul 4;382(6586):29-30

AU Trupp M; Arenas Fainzilber M; Nilsson A S; Sieber B A; Grigoriou  
 M; Kilkenny C; Lazar-Grueso E; Pachnis V; Arum; et al  
 CS Laboratory of Molecular Neurobiology, Department of Medical  
 Biochemistry and Biophysics, Karolinska Institute, Stockholm,  
 Sweden.  
 SO ~~NATURE, (1996 Jun 27) 381 (6585) 785-8.~~  
 Journal code: NSC. ISSN: 0028-0836.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Cancer Journals; Priority Journals  
 EM 199610

L2 ANSWER 25 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS  
 AN 96:488410 BIOSIS  
 DN 99210766  
 TI Localization of GDNFR-alpha, a putative receptor for GDNF ligand.  
 AU Armanini M; Treanor J; Rosenthal A; Phillips H  
 CS Dep. Neuroscience, Genentech Inc., 460 Point San Bruno Blvd., San  
 Francisco, CA, USA  
 SO 26th Annual Meeting of the Society for Neuroscience, Washington,  
 D.C., USA, November 16-21, 1996. Society for Neuroscience Abstracts  
 22 (1-3). 1996. 553. ISSN: 0190-5295  
 DT Conference  
 LA English

L2 ANSWER 26 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS  
 AN 96:488411 BIOSIS  
 DN 99210767  
 TI Isolation and characterization of a receptor for glial cell  
 line-derived neurotrophic factor.  
 AU Treanor J; Beck K; Goodman L; Gray C; Armanini M; Phillips H; Hefti  
 F; Goddard A; Davies A; Henderson C; Rosenthal A  
 CS Dep. Neuroscience, Genentech Inc., 460 Point San Bruno Blvd., South  
 San Francisco, CA 94080, USA  
 SO 26th Annual Meeting of the Society for Neuroscience, Washington,  
 D.C., USA, November 16-21, 1996. Society for Neuroscience Abstracts  
 22 (1-3). 1996. 553. ISSN: 0190-5295  
 DT Conference  
 LA English

L2 ANSWER 27 OF 30 MEDLINE DUPLICATE 12  
 AN 97078703 MEDLINE  
 DN 97078703  
 TI The **GDNF receptor**: recent progress and  
 unanswered questions.  
 AU Mason I  
 CS Department of Developmental Neurobiology, UMDS Guy's and St. Thomas'  
 Hospitals, London, United Kingdom.  
 SO MOLECULAR AND CELLULAR NEUROSCIENCES, (1996) 8 (2-3) 112-9. Ref: 46  
 Journal code: B1D. ISSN: 1044-7431.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)  
 LA English  
 FS Priority Journals  
 EM 199706  
 EW 19970601

L2 ANSWER 28 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS  
 AN 96:444645 BIOSIS  
 DN 99167001  
 TI Biochemical characterisation of **GDNF receptors**  
 and downstream responses.

AU Ibanez C F  
CS Lab. Molecular Neurobiol., Karolinska Inst., 171 Stockholm, Sweden  
SO 11th Biennial Meeting of the International Society for Developmental Neuroscience, Tampere, Finland, July 30-August 3, 1996. International Journal of Developmental Neuroscience 14 (SUPPL. 1). 1996. 76. ISSN: 0736-5748  
DT Conference  
LA English

L2 ANSWER 29 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS  
AN 95:469832 BIOSIS  
DN 98484132

TI Characterization of **GNDF receptors** on primary neurons and cell lines.

AU Trupp M; Ibanez C F  
CS Lab. Mol. Neurobiol. Neurobiol., MBB, Karolinska Inst., S-17177 Stockholm, Sweden

SO 25th Annual Meeting of the Society for Neuroscience, San Diego, California, USA, November 11-16, 1995. Society for Neuroscience Abstracts 21 (1-3). 1995. 1302. ISSN: 0190-5295

DT Conference  
LA English

L2 ANSWER 30 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS  
AN 95:469829 BIOSIS  
DN 98484129

TI Characterization of GDNF binding to putative **GNDF receptor**.

AU Treanor J; Hefti F; Siegel M; Beck K  
CS Dep. Neurosci., 460 Point San Bruno Blvd., S. San Francisco, CA 94080, USA

SO 25th Annual Meeting of the Society for Neuroscience, San Diego, California, USA, November 11-16, 1995. Society for Neuroscience Abstracts 21 (1-3). 1995. 1301. ISSN: 0190-5295

DT Conference  
LA English



=> s GDNF receptor#

```
          29 GDNF
        32308 RECEPTOR#
L1         2 GDNF RECEPTOR#
          (GDNF(W)RECEPTOR#)
```

=> d l1 1-2

1. 5,731,284, Mar. 24, 1998, Method for treating Alzheimer's disease using glial line-derived neurotrophic factor (GDNF) protein product; Lawrence R. Williams, 514/8, 21 [IMAGE AVAILABLE]
2. 5,641,749, Jun. 24, 1997, Method for treating retinal ganglion cell injury using glial cell line-derived neurothrophic factor (GDNF) protein product; Qiao Yan, et al., 514/12; 435/69.1, 69.4 [IMAGE AVAILABLE]